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CDKN2A antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22403a

Product Information

Application	WB, E
Primary Accession	P42771
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	R02957
Calculated MW	16533

Additional Information

Gene ID	1029
Other Names	Cyclin-dependent kinase inhibitor 2A {ECO:0000312|HGNC:HGNC:1787}, Cyclin-dependent kinase 4 inhibitor A, CDK4I, Multiple tumor suppressor 1, MTS-1, p16-INK4a, p16-INK4, p16INK4A, CDKN2A (HGNC:1787), CDKN2, MTS1
Target/Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CDKN2A antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDKN2A (HGNC:1787)
Synonyms	CDKN2, MTS1
Function	Acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein.

Cellular Location	Cytoplasm. Nucleus
Tissue Location	Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific

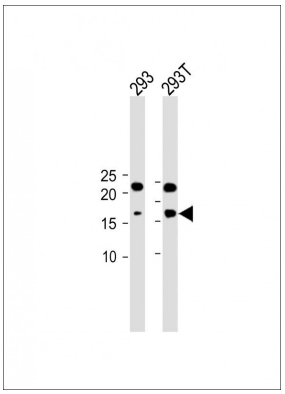
Background

Acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein.

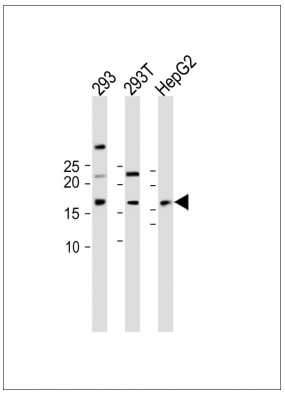
References

Serrano M.,et al.Nature 366:704-707(1993).
Robertson K.D.,et al.Oncogene 18:3810-3820(1999).
Kitagawa Y.,et al.J. Biol. Chem. 277:46289-46297(2002).
Lin Y.C.,et al.Oncogene 26:7017-7027(2007).
Humphray S.J.,et al.Nature 429:369-374(2004).

Images



All lanes: Anti-CDKN2A antibody at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: 293T whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 17 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes: Anti-CDKN2A antibody at 1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: 293T whole cell lysate Lane 3: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 17 KDa Blocking/Dilution buffer: 5% NFDM/TBST.